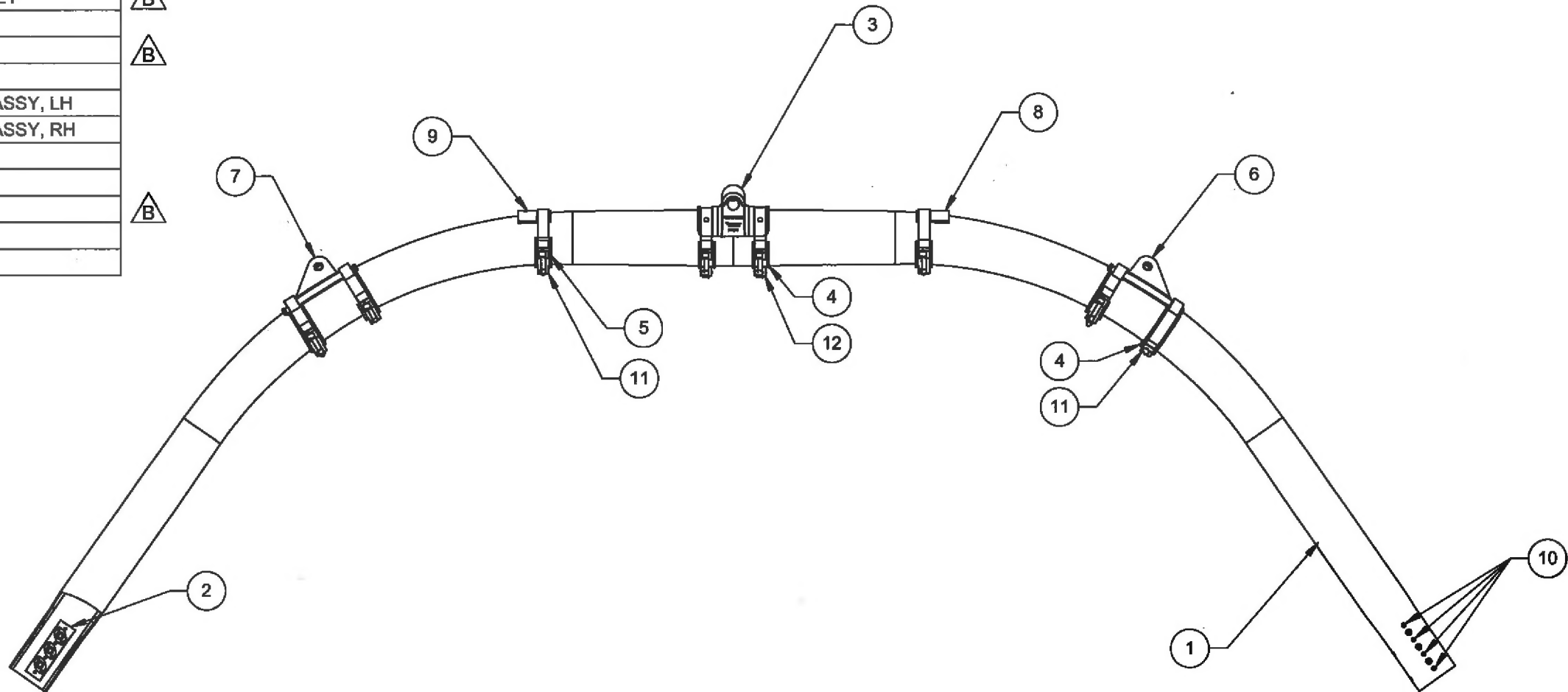


| ITEM | QTY | P/N | DESCRIPTION |
|------|-----|-----------------|-----------------------------|
| | X | D119-796-241 | XTUBE ASSY (AW119 MKII AFT) |
| 1 | 1 | D119-796-241BND | CROSSTUBE, AFT |
| 2 | 4 | D2873-043 | NUT PLATE ASSEMBLY |
| 3 | 1 | D5122-1 | CENTER SUPPORT |
| 4 | 6 | D5123-1 | CLAMP CUSHION |
| 5 | 2 | D5123-5 | CLAMP CUSHION |
| 6 | 1 | D5134-041 | DAMPER SUPPORT ASSY, LH |
| 7 | 1 | D5134-042 | DAMPER SUPPORT ASSY, RH |
| 8 | 1 | D5136-1 | CONTACT PAD, LH |
| 9 | 1 | D5136-2 | CONTACT PAD, RH |
| 10 | 16 | CR3212-4-05 | RIVET, BLIND CSK |
| 11 | 6 | MS21920-25 | CLAMP |
| 12 | 2 | MS21920-28 | CLAMP |



D119-796-241 XTUBE ASSY (AW119 MKII AFT)

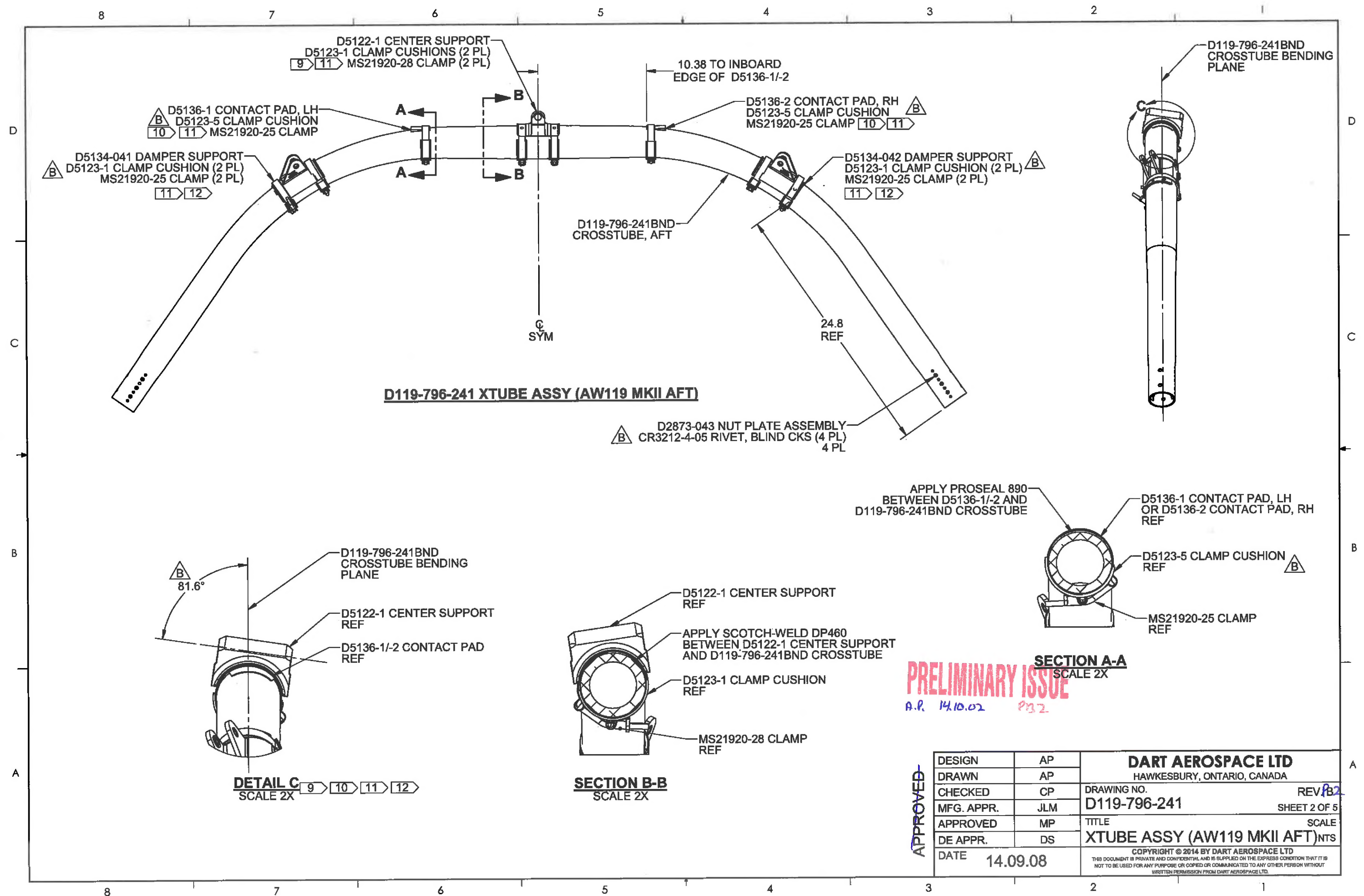
NOTES:

- 1) MATERIAL: N/A
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: N/A
- 6) IDENTIFICATION: IDENTIFY USING PART NUMBER "D119-796-241" AND BATCH NUMBER ON INSIDE OF CUFF PER QSI 044 6.4
- 7) WEIGHT: 26.26 lbs
- 8) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBE. THE OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM DEFECTS SUCH AS SCRATCHES, NICKS OR DENTS. DEFECTS UP TO 0.005 MAY BE BLENDED OUT LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.
- 9) INSTALL D5122-1 CENTER SUPPORT AT 8.4° OFFSET FROM THE CROSSTUBE BENDING PLANE USING A 0.04" TO 0.07" THICK LAYER OF SCOTCH-WELD DP460 PER QSI 015. ENSURE OFFSET IS AS PER NOTE 13. PRIOR TO PACKAGING, RE-CHECK TORQUE ON CLAMPS AFTER DP460 HAS CURED FOR 24 HOURS.
- 10) ABRASE MATING SURFACES OF D5136-1/-2 AND SURFACE OF CROSSTUBE WITH 180 GRIT SANDPAPER AND REMOVE RESIDUE WITH MEK (OR EQUIVALENT). APPLY A 0.100" MIN THK LAYER OF PROSEAL 890 ON THE INSIDE CONCAVE SURFACE OF THE D5136-1/-2 CONTACT PADS AND INSTALL AT AN 8.4° OFFSET FROM THE CROSSTUBE BENDING PLANE. INSTALL MS21920-25 CLAMPS AND D5123-1 CLAMP CUSHIONS WHILE WET. PRIOR TO PACKAGING, RE-CHECK TORQUE ON CLAMPS AFTER PROSEAL 890 SEALANT HAS CURED FOR 72 HOURS.
- 11) TORQUE MS21920 CLAMPS 80 - 100 IN-LB. ENSURE AT LEAST 1.5 THREADS SHOWING IN SAFETY, THE NUT HAS NOT BOTTOMED-OUT AFTER TORQUING AND THE NUT IS FACING AFT.
- 12) POSITION AND INSTALL D5134-041/-042 DAMPER SUPPORTS USING JIG DT10085. ABRASE MATING SURFACES OF THE D5134-041/-042 DAMPER SUPPORTS AND CROSSTUBE WITH 180 GRIT SANDPAPER AND REMOVE RESIDUE WITH MEK (OR EQUIVALENT). APPLY A 0.100" MIN THK LAYER OF PROSEAL 890 ON THE INSIDE CONCAVE SURFACE OF THE D5134-041/-042. INSTALL MS21920-25 CLAMPS AND D5123-1 CLAMP CUSHIONS WHILE WET. PRIOR TO PACKAGING, RE-CHECK TORQUE ON CLAMPS AFTER PROSEAL 890 SEALANT HAS CURED FOR 72 HOURS.

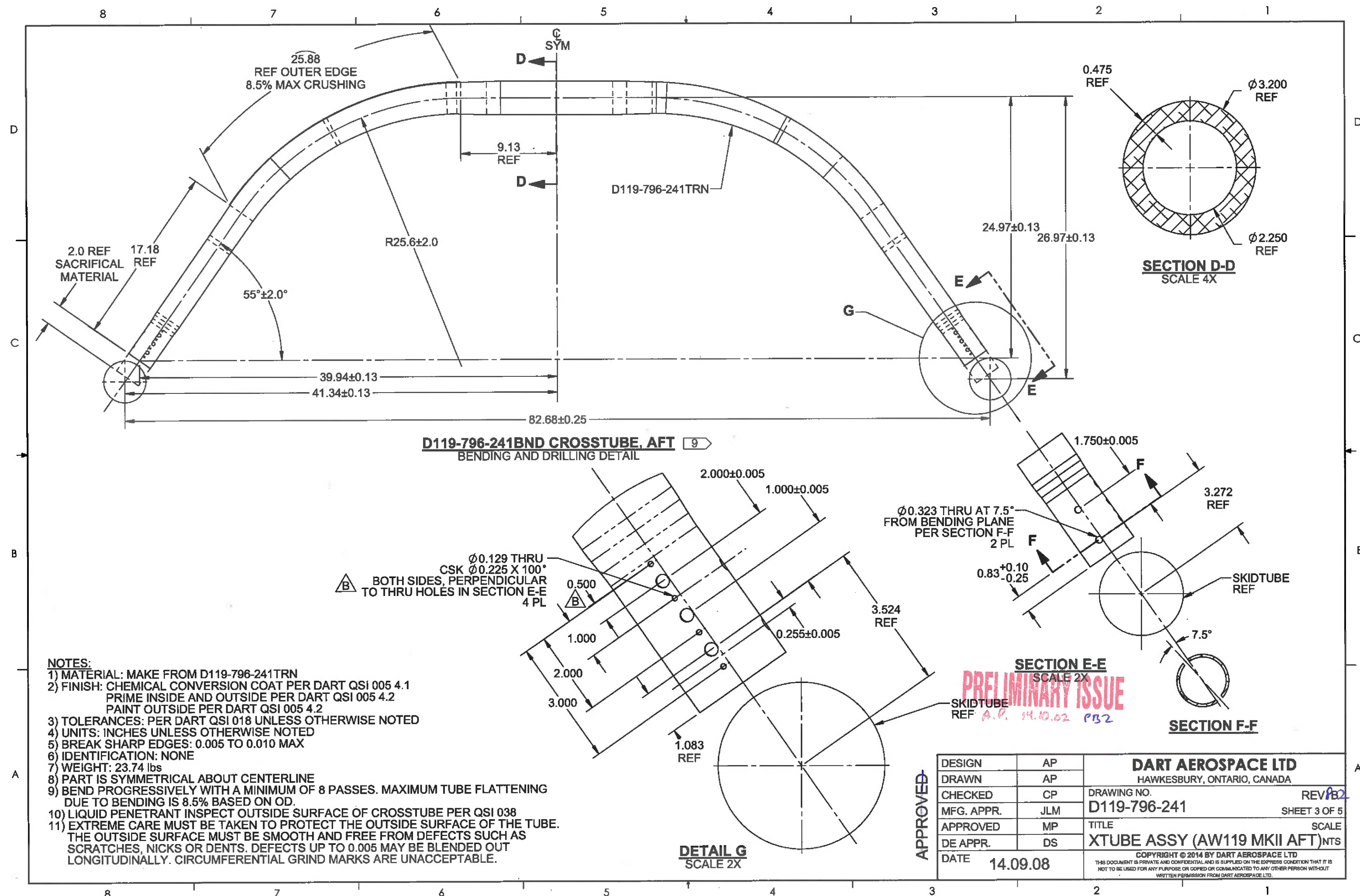
PRELIMINARY ISSUE

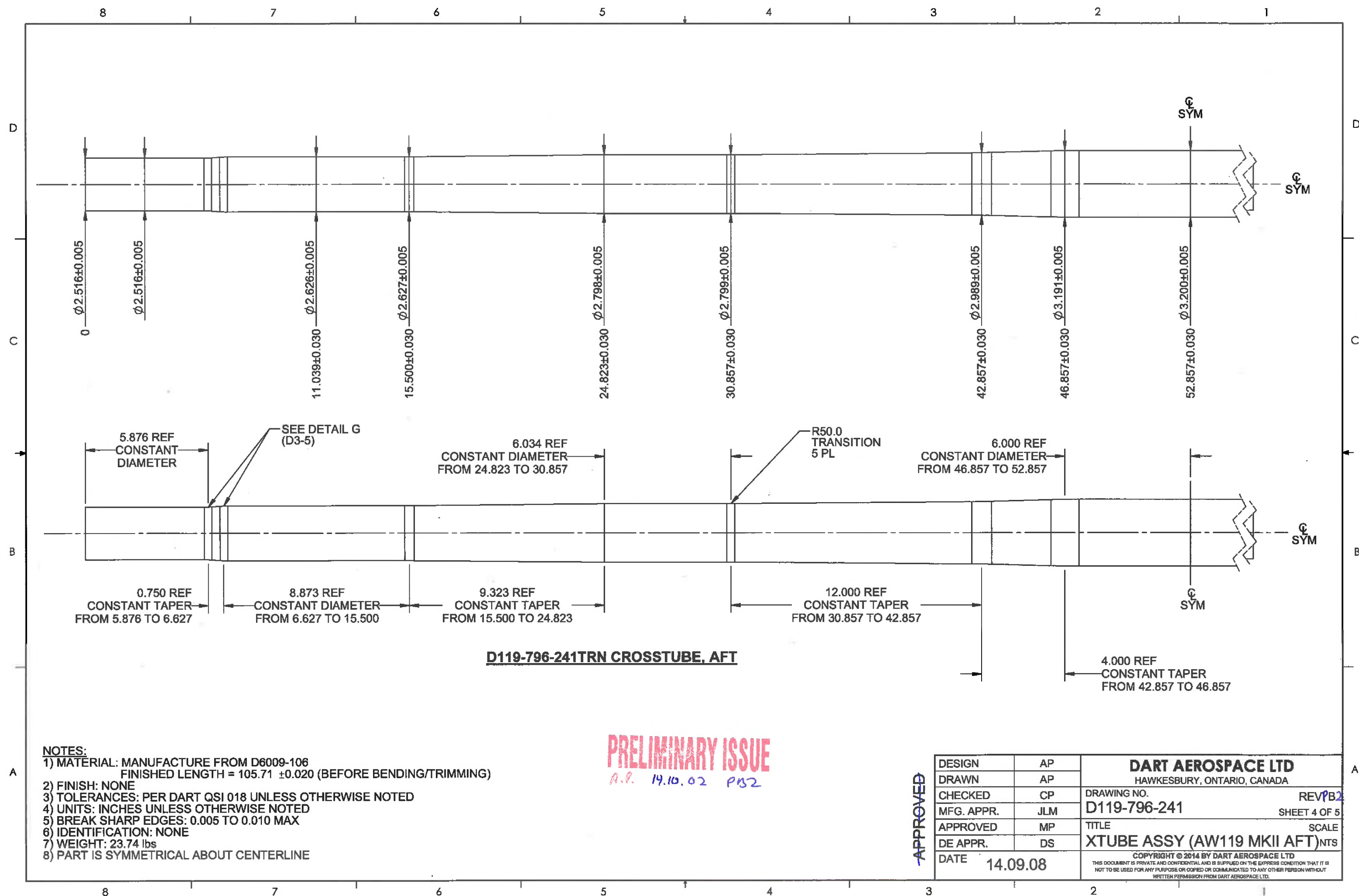
A.P. 1410.02 P32

| | | | | |
|------------|---|--|----|--------------|
| PB2 | ORIENTATION OF D5122-1 CENTER SUPPORT WAS CORRECTED. D5123-5 ADDED UNDER D5136-1/-2 CONTACT PADS. ADDED D2873-043 NUT PLATE ASSY & CR3212-4-05 RIVETS. ADDED REFERENCE TO SKIDTUBES FOR LOCATING CUFF HOLES. RE-ORGANIZED NOTES, REMOVED REDUNDANT INFORMATION. | | AP | 14.09.08 |
| A | NEW ISSUE | | AP | 14.08.07 |
| REV. | DESCRIPTION | | BY | DATE |
| DESIGN | AP | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | | |
| DRAWN | AP | | | |
| CHECKED | CP | DRAWING NO. D119-796-241 | | REV PB2 |
| MFG. APPR. | JLM | | | SHEET 1 OF 5 |
| APPROVED | MP | TITLE XTUBE ASSY (AW119 MKII AFT) | | SCALE NTS |
| DE APPR. | DS | | | |
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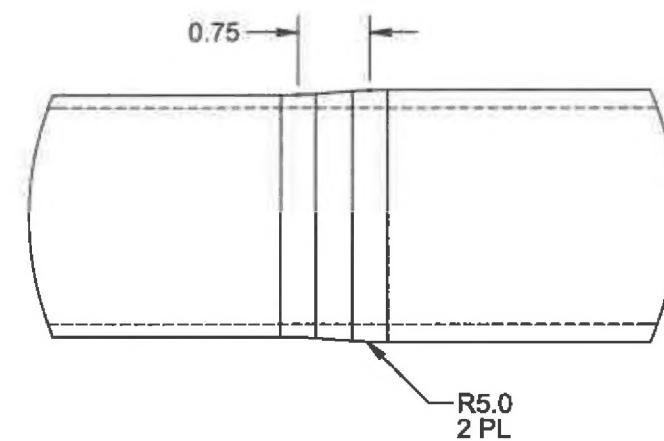
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| APPROVED | DESIGN | AP | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA | |
| | DRAWN | AP | | |
| | CHECKED | CP | DRAWING NO. | REV B2 |
| | MFG. APPR. | JLM | D119-796-241 | SHEET 2 OF 5 |
| | APPROVED | MP | TITLE | SCALE |
| | DE APPR. | DS | XTUBE ASSY (AW119 MKII AFT) NTS | |
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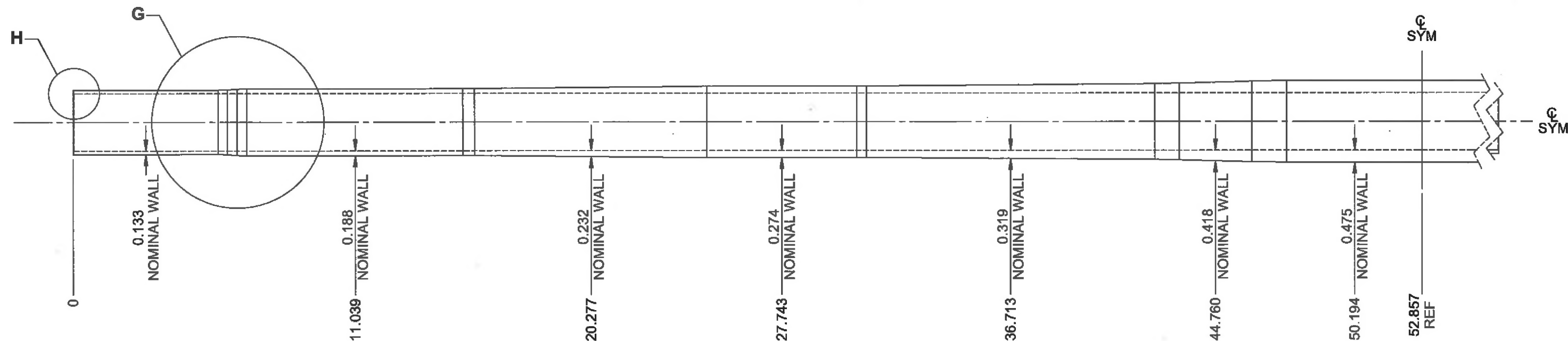




DETAIL H
SCALE 4X



DETAIL G
SCALE 2X



D119-796-241TRN CROSSTUBE, AFT
AUXILIARY VIEW: NOMINAL WALL THICKNESS

PRELIMINARY ISSUE
A.P. 14.10.02. PB2

APPROVED

| | | |
|------------|----------|--|
| DESIGN | AP | DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA |
| DRAWN | AP | |
| CHECKED | CP | DRAWING NO. D119-796-241 |
| MFG. APPR. | JLM | TITLE XTUBE ASSY (AW119 MKII AFT) |
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